

AP3 Rec'd PCT/PTO 14 JUN 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re Patent Application of |) | |
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| Kye-Seong KIM et al. |) | Group Art Unit: Unassigned |
| |) | |
| Application No.: Unassigned |) | Examiner: Unassigned |
| |) | |
| Filed: June 14, 2006 |) | Confirmation No.: Unassigned |
| |) | |
| For: NOVEL MIRNA MOLECULES |) | |
| ISOLATED FROM HUMAN |) | |
| EMBRYONIC STEM CELL |) | |

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Also enclosed are copies of Form PCT/ISA/237 (Written Opinion of the International Searching Authority) and Form PCT/ISA/210 (International Search Report) in connection with the related International Application.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

Foreign Patent Documents

1) TUSCHL et al., International Patent Publication No. WO 03/029459 A2, published on April 10, 2003.

Non-Patent Literature Documents

1) HOUBAVIY et al., "Embryonic Stem Cell-Specific MicroRNAs," Developmental Cell, 2003, vol. 5, pp. 351-358, Cell Press, Cambridge, MA, U.S.A.

2) LAGOS-QUINTANA et al., "New microRNAs from mouse and human," RNA, 2003, vol. 9, no. 2, pp. 175-179, Cold Spring Harbor Laboratory Press, New York, New York.

3) CARRINGTON et al., "Role of MicroRNAs in Plant and Animal Development," Science, 2003, vol. 301, no. 5631, pp. 336-338, American Association for the Advancement of Science, Washington, D.C.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date June 14, 2006

By: Susan M. Dadio
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**FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

Application Number

Unassigned

Filing Date

June 14, 2006

First Named Inventor

Kye-Seong KIM Kim et al.

Examiner Name

Unassigned

Attorney Docket Number

1012679-000123

U.S. PATENT DOCUMENTS

| Examiner Initials | Document Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials | Document Number | Kind Code (if known) | Country | Date of Publication (MM-DD-YYYY) | STATUS | | | | | | |
|-------------------|-----------------|----------------------|---------------|----------------------------------|-------------|---------------------|--------------------|---------------|------|----------|---------------|
| | | | | | Translation | Partial Translation | Eng. Lang. Summary | Search Report | IPER | Abstract | Cited in Spec |
| | WO 03/029459 | A2 | International | 04-10-2003 | | | | X | | | |
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NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|-------------------|---|
| | HOUBAVIY et al., "Embryonic Stem Cell-Specific MicroRNAs," <u>Developmental Cell</u> , 2003, vol. 5, pp. 351-358, Cell Press, Cambridge, MA, U.S.A. |
| | LAGOS-QUINTANA et al., "New microRNAs from mouse and human," <u>RNA</u> , 2003, vol. 9, no. 2, pp. 175-179, Cold Spring Harbor Laboratory Press, New York, New York. |
| | CARRINGTON et al., "Role of MicroRNAs in Plant and Animal Development," <u>Science</u> , 2003, vol. 301, no. 5631, pp. 336-338, American Association for the Advancement of Science, Washington, D.C. |
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|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.